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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/737,359 | CHOI ET AL. | |
| | Examiner | Art Unit | |
| | Long Nguyen | 2816 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the amendment filed on 3/10/05.
2. The allowed claim(s) is/are 1-18.
3. The drawings filed on 16 December 2003 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Paul Stephens on 3/28/05.

The application has been amended as follows:

In The Claims

Claim 1, line 8, "levels of" has been deleted.

Claim 2, line 2, "wherein the" has been changed to --wherein each of the--.

Claim 2, line 2, "unit" has been changed to --units--.

Claim 2, line 3, "the enable signal;" has been changed to --a respective enable signal of the enable signals;--.

Claim 2, line 7, "voltage." has been changed to --voltage level.--.

Claim 5, line 7, "the enable signal" has been changed to --a respective enable signal of the enable signals--.

Claim 10, line 5, "the" has been deleted.

Claim 10, line 7, "respective" has been changed to --the--.

Claim 11, line 1, "wherein the" has been changed to --wherein each of the--.

Claim 11, line 2, "unit" has been changed to --units--.

Claim 11, line 3, "the enable signal;" has been changed to --a respective enable signal of the enable signals;--.

Claim 11, line 7, "voltage." has been changed to --voltage level.--.

Claim 14, line 1, "wherein the" has been changed to --wherein each of the--.

Claim 14, line 2, "unit" has been changed to --units--.

Claim 14, line 5, "the enable signal" has been changed to --a respective enable signal of the enable signals--.

Reasons For The Above Changes

The above changes have been made to overcome the indefiniteness and minor informalities so that the claims are clear.

REASONS FOR ALLOWANCE

2. Claims 1-18 are allowed.

Claim 1, as amended, is allowed because the prior art of record fails to disclose or suggest an internal voltage generating circuit including, in combination with other limitations, a plurality of internal voltage drop control units that are sequentially operated by enable signals which are sequentially generated according to the internal voltage for stabilizing the internal voltage to a constant level.

Claims 2-9 are allowed because they depend on claim 1.

Claim 10 is allowed because the prior art of record fails to disclose or suggest an internal voltage generating circuit including, in combination with other limitations, a plurality of enable signal generating units for generating enable signals, and a plurality of internal voltage drop

control units that are sequentially operated by the enable signals for stabilizing the internal voltage to a constant level.

Claims 11-18 are allowed because they depend on claim 10.

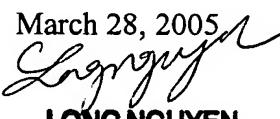
3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directly to Examiner Long Nguyen whose telephone number is (571) 272-1753. The Examiner can normally be reached on Monday to Friday from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached at (571) 272-1740. The fax number for this group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 28, 2005

LONG NGUYEN
PRIMARY EXAMINER